



# SEQUENCE LISTING

<110> WALLACE, ANDREW  
CENTRAL MANCHESTER HEALTHCARE NHS TRUST

<120> NUCLEIC ACIDS

<130> 7397-2

<140> 09/719,362

<141> 2000-12-11

<150> PCT/GB99/01691

<151> 1999-06-14

<150> 9812674.1 GB

<151> 1998-06-12

<160> 39

<170> PatentIn Ver. 2.0

<210> 1

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER  
SEQUENCE FOR AMPLIFICATION OF NF2

<400> 1

gtggcaaaca ataccaaatt tac

23

<210> 2

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<221> Unsure

<222> 12..12

<223> Description of Artificial Sequence: PRIMER  
SEQUENCES FOR AMPLIFICATION OF NF2

<400> 2

tgtctcactg anacctgcct acctacccat aaaggaatgt aaaccaac

48

<210> 3

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

# SEQUENCES FOR AMPLIFICATION OF NF2

<400> 3  
aggtaggcag gttcagtgag acaaccgctc tccacccatc tcac 44

<210> 4  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER  
SEQUENCES FOR AMPLIFICATION OF NF2

<400> 4  
agccactacc caaactcctg tatggccctc actcagtctc tg 42

<210> 5  
<211> 42  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER  
SEQUENCES FOR AMPLIFICATION OF NF2

<400> 5  
acaggagttt gggtagtggc tagagcctca gctggcgctt ac 42

<210> 6  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER  
SEQUENCES FOR AMPLIFICATION OF NF2

<400> 6  
tcatattagc cgctgcattg ccagatctgc tggacccatc tgc 43

<210> 7  
<211> 43  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER  
SEQUENCES FOR AMPLIFICATION OF NF2

<400> 7  
ggcaatgcag cggctaatat gaaaggctgt cggactgaaa ctg 43

<210> 8  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER  
 SEQUENCES FOR AMPLIFICATION OF NF2

<400> 8  
 cctcattacc ggctgtcaga ctgattctca gaaaagctac cattatcag 49

<210> 9  
 <211> 47  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER  
 SEQUENCES FOR AMPLIFICATION OF NF2

<400> 9  
 cagtctgaca gccggtaatg aggaggcagt gaagtaaatt tgtggat 47

<210> 10  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER  
 SEQUENCES FOR AMPLIFICATION OF NF2

<400> 10  
 aggccaggac tgaccacaca ----- 20

<210> 11  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER  
 SEQUENCES FOR AMPLIFICATION OF NF2

<400> 11  
 catgtgtagg ttttttattt tgctc 25

<210> 12  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER  
 SEQUENCES FOR AMPLIFICATION OF NF2

<400> 12  
 tgaccacaca gtgacatcat cag 23

<210> 13

<211> 21  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE  
  
 <400> 13  
 gatgtttcag tctcagccat g 21  
  
 <210> 14  
 <211> 49  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE  
  
 <400> 14  
 tcatattagc cgctgcattg ccaggaatga taaaccaaga taataaatg 49  
  
 <210> 15  
 <211> 49  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE  
  
 <400> 15  
 ggcaatgcag cggctaatat gaattctttt gtaatgtttg agttttgag 49  
  
 <210> 16  
 <211> 43  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE  
  
 <400> 16  
 agccactacc caaactcctg tacctgtgag tggatttccc atg 43  
  
 <210> 17  
 <211> 44  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE  
  
 <400> 17

acaggagttt gggtagtggc taccctcaga cagttttgaa ctgg 44

<210> 18  
 <211> 46  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE

<400> 18  
 tctctcactg aatccgccta cctacttggt tgaggagttt ggtgct 46

<210> 19  
 <211> 48  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE

<400> 19  
 aggtaggcgg attcagtgag agaaccctcc cactatctaa ggtaattg 48

<210> 20  
 <211> 44  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE

<400> 20  
 taacattcca ggctgtcgga ctgaagtagc tggatgagaa gcgc 44

<210> 21  
 <211> 50  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER TO  
 AMPLIFY hMLH1 GENE

<400> 21  
 cagtccgaca gcctggaatg ttaatttaat acagactttg ctaccaggac 50

<210> 22  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PRIMER TO

# AMPLIFY hMLH1 GENE

<400> 22  
taaagagtag ctgtactttt cccaa 25

<210> 23  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER TO  
AMPLIFY hMLH1 GENE

<400> 23  
taaatccttg tgtcttctgc tg 22

<210> 24  
<211> 18  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PRIMER TO  
AMPLIFY hMLH1 GENE

<400> 24  
aagccatacc tgggggttg 18

<210> 25  
<211> 256  
<212> DNA  
<213> Unknown

<220>  
<223> Description of Unknown Sequence: GENOMIC SEQUENCE  
OF NF2 EXON 6 amplified by self assembling array

<400> 25  
tctgtgtgac tactcctggt gtagctttaa aatagcttta ctgtttgtaa aatgatgcat 60  
aattataaaa gtggcaaaca ataccaaatt tacttcatgt gtaggttttt tattttgctc 120  
tatttttttg taggtaataa atctgtatca gatgactccg gaaatgtggg aggagagaat 180  
tactgcttgg tacgcagagc accgaggccg agccagggtga ggccattca ttgttggttt 240  
acattccttt atgggc 256

<210> 26  
<211> 240  
<212> DNA  
<213> Unknown

<220>  
<223> Description of Unknown Sequence: GENOMIC SEQUENCE  
OF NF2 EXON 7 amplified by self assembling array

<400> 26  
gaatgcttga tttggtggcc caccgctct ccacccatct cacttagctc caatgacagt 60  
gtcttccggt ctccccacag ggatgaagct gaaatggaat atctgaagat agctcaggac 120

ctggagatgt acgggtgtgaa ctacttttgca atccgggtgt gttgaaacct ctctgagctc 180  
 cttgtgtagt agacagagac tgagtgaggg ccaggactgc taaaatgggt acttcttcat 240

<210> 27  
 <211> 387  
 <212> DNA  
 <213> Unknown

<220>

<223> Description of Unknown Sequence: GENOMIC SEQUENCE  
 OF NF2 EXON 8 amplified by self assembling array

<400> 27  
 tctgtggacc tgctgaactg cacatgtgac agtgtgtgcc agattctttg gaagggttgaa 60  
 taaaattttg agcctcagct ggcgcttaca gtagctgttc ttattggatc cacagaataa 120  
 aaagggcaca gagctgctgc ttggagtggg tggcctgggg cttcacattt atgaccctga 180  
 gaacagactg accccaaga tctccttccc gtggaatgaa atccgaaaca tctcgtacag 240  
 tgacaaggag gtaggacatg tgtgtactgc agatgggtcc agcagatctt tccctgtctg 300  
 cccccctcac tggagcctcc ccagccaggg catctccttg ttattcatag agtcctttaa 360  
 ttcccagget ttgagggtgt ggttggt 387

<210> 28  
 <211> 315  
 <212> DNA  
 <213> Unknown

<220>

<221> Unsure  
 <222> 54..54

<221> Unsure  
 <222> 68..68

<221> Unsure  
 <222> 112..112

<223> Description of Unknown Sequence: GENOMIC SEQUENCE  
 OF NF2 EXON 9 amplified by self assembling array

<400> 28  
 gacttggtgc tcctaattcc ctgaggttta gtgcctggat actgggaagc cagnacaagg 60  
 gcataacntc atgctgggtc gtggccagtg tggttgcgca tttgtggaat tnccaattgc 120  
 tggtaacatt ccaggctgtc ggactgaaac tgtgttctgc ttcattcttc cagtttacta 180  
 ttaaacact ggataagaaa attgatgtct tcaagtttaa ctcctcaaag cttcgtgtta 240  
 ataagctggg aagttgagat cctggtaagt tgagatcctg gttttcatta ctgataatgg 300  
 tagcttttct gagaa 315

<210> 29  
 <211> 269  
 <212> DNA  
 <213> Unknown

<220>

<223> Description of Unknown Sequence: GENOMIC SEQUENCE  
 OF NF2 EXON 10 amplified by self assembling array

<400> 29  
 tgctacctgc aagagctcaa actgctatgg cactagtggg ccagtaggca gtgaagtaaa 60  
 tttgtggata ttaacctttt tgtctgcttc tgtggccaca gattctccag ctatgtatcg 120  
 ggaaccatga tctatztatg aggagaagga aagccgattc tttggaagtt cagcagatga 180  
 aagcccaggc cagggaggag aaggctagaa agcaggtgag cacaaccttg ttttaactga 240  
 tgatgtcact gtgtggtcag tcttggcct 269

<210> 30  
 <211> 579  
 <212> DNA  
 <213> Unknown

<220>

<221> Unsure  
 <222> 6..6

<221> Unsure  
 <222> 375..375

<221> Unsure  
 <222> 537..375

<223> Description of Unknown Organism:SEQUENCE OF NF2  
 GENE DETERMINED BY USE OF PRIMER 11

<400> 30  
 tatccntttg gtaggtaata aatctgtatc agatgactcc ggaaatgtgg gaggagagaa 60  
 ttactgcttg gtacgcagag caccgaggcc gagccagggtg aggcccatc attgttggtt 120  
 tacattcctt tatgggtagg taggcagggtt cagtgcagaca accgctctcc acccatctca 180  
 cttagctcca atgacagtgt cttccgttct cccacaggg atgaagctga aatggaatat 240  
 ctgaagatag ctcaggacct ggagatgtac ggtgtgaact actttgcaat ccgggtgtgt 300  
 tgaaacctct ctgagctcct tgtgtagtag acagagactg agtgagggcc atacaggagt 360  
 ttgggtagtg gctanagcct cagctggcgc ttacagtagc tgttcttatt ggatccactg 420  
 aataaaaagg gcacagagct gctgcttgga gtggatgccc tggggcttca catttatgac 480  
 cctgagaaca gactgacccc caagatctcc ttcccgtgga atgaaatccg aaacatntcg 540  
 tacagtgaca aggaggtagg acatgtgtgt actgcaaat 579

<210> 31  
 <211> 586  
 <212> DNA  
 <213> Unknown

<220>

<221> Unsure  
 <222> 581..581

<223> Description of Unknown Organism:SEQUENCE OF NF2  
 GENE DETERMINED USING PRIMER 12

<400> 31  
 taaaacaagg ttgtgtcac ctgctttcta gccttctcct ccctggcctg ggctttcatc 60  
 tgctgaactt ccaaagaatc ggctttcctt ctcctcataa atagatcatg gttccccgata 120



catagctgga gaatctgtgg ccacagaagc agacaaaaag gttaatatcc acaaatttac 180  
ttcactgcct cctcattacc ggctgtcaga ctgattctca gaaaagctac cattatcagt 240  
aatgaaaacc aggatctcaa cttaccagct tattaacacg aagctttgag gagttaaact 300  
tgaagacatc aattttctta tccagtgggt taatagtaaa ctggaagaat gaagcagaac 360  
acagtttcag tccgacagcc tttcatatta gccgctgcat tgccagatct gctggacca 420  
tctgcagtac acacatgtcc tacctccttg tactgtacg agatgtttcg gatttcattc 480  
cacgggaagg agatcttggg ggtcaagtct gttctcaggg cataaatgtg aagccccagg 540  
gcatccactt caagcagcag ctctggccct ttttattcag nggatc 586

<210> 32

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:LINKER PRIMER  
SEQUENCE

<220>

<221> misc\_feature

<222> (23)

<223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 32

tcatattagc cgctgcattg cca

23

<210> 33

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:LINKER PRIMER  
SEQUENCE

<220>

<221> misc\_feature

<222> (23)

<223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 33

ggcaatgcag cggctaataat gaa

23

<210> 34

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:LINKER PRIMER  
SEQUENCE

<220>

<221> misc\_feature

<222> (22)

<223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 34  
 agccactacc caaactcctg ta 22

<210> 35  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:LINKER PRIMER  
 SEQUENCE

<220>  
 <221> misc\_feature  
 <222> (22)  
 <223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 35  
 acaggagttt gggtagtggc ta 22

<210> 36  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:LINKER PRIMER  
 SEQUENCE

<220>  
 <221> misc\_feature  
 <222> (24)  
 <223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 36  
 tgtctcactg aacctgccta ccta 24

<210> 37  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:LINKER PRIMER  
 SEQUENCE

<220>  
 <221> misc\_feature  
 <222> (24)  
 <223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 37  
 aggtaggcag gttcagtgag acaa 24

<210> 38  
 <211> 24  
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:LINKER PRIMER  
SEQUENCE

<220>

<221> misc\_feature

<222> (24)

<223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 38

cctcattacc ggctgtcaga ctga

24

<210> 39

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:LINKER PRIMER  
SEQUENCE

<220>

<221> misc\_feature

<222> (24)

<223> LINKED TO PRIMING PORTION OF LINKER PRIMER

<400> 39

cagtctgaca gccggtaatg agga

24